```
=> d his

     (FILE 'HOME' ENTERED AT 16:50:10 ON 07 AUG 2006)

     FILE 'REGISTRY' ENTERED AT 16:50:22 ON 07 AUG 2006
L1             STRUCTURE UPLOADED
L2               8 S L1
L3             164 S L1 SSS FULL
L4             STRUCTURE UPLOADED

=> s l4 sub=l3 full
FULL SUBSET SEARCH INITIATED 16:57:09 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -      164 TO ITERATE

100.0% PROCESSED      164 ITERATIONS                              17 ANSWERS
SEARCH TIME: 00.00.01

L5            17 SEA SUB=L3 SSS FUL L4

=> s l3 not l5
L6           147 L3 NOT L5

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               228.14     228.35

FILE 'CAPLUS' ENTERED AT 17:00:11 ON 07 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 7 Aug 2006  VOL 145 ISS 7
FILE LAST UPDATED: 6 Aug 2006  (20060806/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l6
L7             1 L6

=> d l7 bib abs fhitstr

L7   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2004:2877  CAPLUS
DN   140:59667
TI   Preparation of 1-[(indol-3-yl)carbonyl]piperazine derivatives for the
```

treatment of pain

IN Cowley, Phillip Martin; Caulfield, Wilson; Tierney, Jason; Cairns, James; Adam-Worrall, Julia; York, Mark

PA Akzo Nobel N.V., Neth.

SO PCT Int. Appl., 38 pp.
CODEN: PIXXD2

DT Patent

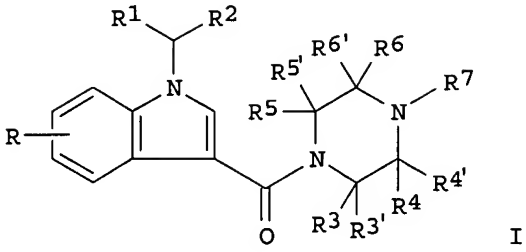
LA English

FAN.CNT 1

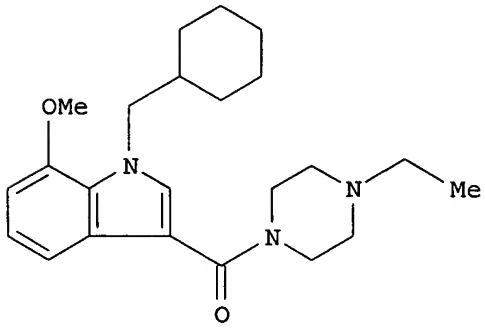
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004000832	A1	20031231	WO 2003-EP50226	20030613
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2490141	AA	20031231	CA 2003-2490141	20030613
	AU 2003250245	A1	20040106	AU 2003-250245	20030613
	BR 2003011960	A	20050322	BR 2003-11960	20030613
	NZ 537143	A	20050527	NZ 2003-537143	20030613
	EP 1549637	A1	20050706	EP 2003-760704	20030613
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1668611	A	20050914	CN 2003-817090	20030613
	JP 2005533801	T2	20051110	JP 2004-514874	20030613
	NO 2004005351	A	20050120	NO 2004-5351	20041207
	ZA 2004010057	A	20051020	ZA 2004-10057	20041213
	US 2005250760	A1	20051110	US 2004-518279	20041215
PRAI	EP 2002-77505	A	20020621		
	WO 2003-EP50226	W	20030613		

OS MARPAT 140:59667

GI



I



II

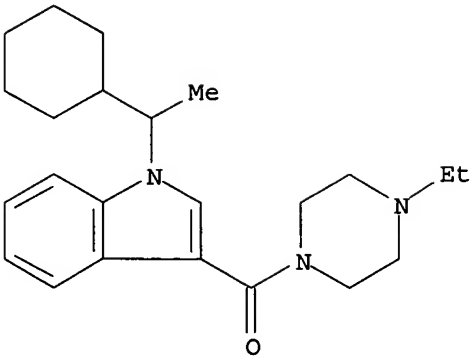
AB Title compds. I [R = 1-4 substituents: H, alkyl, halo, etc.; R1 = cyclo(alk(en)yl); R2 = H, Me, ethyl; R3-5, R3'-6' = H, alkyl, alkyloxy, etc.; R6 = H, alkyl, alkyloxy, halo, etc.; R7 = H, alkyl, cycloalkyl, etc.] are prepared For instance, 7-methoxyindole-3-carboxylic acid (preparation given) is alkylated with bromomethylcyclohexane (DMF, NaH), converted to the acid chloride and used to acylate N-ethylpiperazine to give II, isolated as the maleate. Compds. of the invention exhibited activity in a CB1 receptor binding assay and selected compds. significantly increased tail flick latency with an ED50 < 5 μmol/kg. I are useful in treatment of pain: such as peri-operative pain, chronic pain neuropathic pain, cancer pain and pain and spasticity associated with multiple sclerosis.

IT 639068-09-0P
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1-[(indol-3-yl)carbonyl]piperazine derivs. for treatment of pain)

RN 639068-09-0 CAPLUS

CN Piperazine, 1-[[1-(1-cyclohexylethyl)-1H-indol-3-yl]carbonyl]-4-ethyl-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file marpat

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.57	233.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

FILE 'MARPAT' ENTERED AT 17:01:00 ON 07 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

FILE CONTENT: 1961-PRESENT VOL 145 ISS 6 (20060804/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 2006135764 22 JUN 2006
DE 102004056104 24 MAY 2006
EP 1674464 28 JUN 2006
JP 2006143645 08 JUN 2006
WO 2006058720 08 JUN 2006
GB 2421183 21 JUN 2006
FR 2877945 19 MAY 2006
RU 2276150 10 MAY 2006
CA 2488034 19 MAY 2006

Expanded G-group definition display now available.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

=> s l6
L3 MAY NOT BE USED HERE
The L-number entered was not created by a STRUCTURE or SCREEN command.

```
=> file caold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.44     234.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -0.75

FILE 'CAOLD' ENTERED AT 17:01:15 ON 07 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  New CAS Information Use Policies, enter HELP USAGETERMS for details.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> s l6
L8            0 L6

=> log h
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.44     234.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -0.75

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 17:01:27 ON 07 AUG 2006
```